

SEQUENCE LISTING

<110> Eisai Co., Ltd.

<120> USING NONHUMAN ANIMAL MODEL, METHOD OF MEASURING TRANSCRIPTIONAL ACTIVITY, METHOD OF MEASURING CELL NUMBER AND METHOD OF MEASURING TUMOR VOLUME

<130> 0459W0-C4305

<150> JP 2004-84810

<151> 2004-03-23

<160> 44

<170> PatentIn version 3.1

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 Gly Ile Ile Pro Val Glu Glu Glu Asn Pro Asp Phe Trp Asn Arg Glu
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 Ala Ala Glu Ala Leu Gly Ala Ala Lys Lys Leu Gln Pro Ala Gln Thr
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 gcc gcc aag aac ctc atc atc ttc ctg ggc gat ggg atg ggg gtg tct 192
 Ala Ala Lys Asn Leu Ile Ile Phe Leu Gly Asp Gly Met Gly Val Ser
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 Thr Val Thr Ala Ala Arg Ile Leu Lys Gly Gln Lys Lys Asp Lys Leu

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Ser Lys Thr Tyr Asn Val Asp Lys His Val Pro Asp Ser Gly Ala Thr				
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Ala Thr Ala Tyr Leu Cys Gly Val Lys Gly Asn Phe Gln Thr Ile Gly				
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Tyr Ala His Thr Val Asn Arg Asn Trp Tyr Ser Asp Ala Asp Val Pro				
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Gly Asp Met Lys Tyr Glu Ile His Arg Asp Ser Thr Leu Asp Pro Ser				
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Leu Val His Gly Val Gln Glu Gln Thr Phe Ile Ala His Val Met Ala	
465 470 475 480	
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 Thr Val Thr Ala Ala Arg Ile Leu Lys Gly Gln Lys Lys Asp Lys Leu
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 Gly Pro Glu Ile Pro Leu Ala Met Asp Arg Phe Pro Tyr Val Ala Leu
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 Ser Lys Thr Tyr Asn Val Asp Lys His Val Pro Asp Ser Gly Ala Thr
 100 105 110
 Ala Thr Ala Tyr Leu Cys Gly Val Lys Gly Asn Phe Gln Thr Ile Gly
 115 120 125
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 Glu Val Ile Ser Val Met Asn Arg Ala Lys Lys Ala Gly Lys Ser Val
 145 150 155 160
 Gly Val Val Thr Thr Thr Arg Val Gln His Ala Ser Pro Ala Gly Thr
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 Tyr Ala His Thr Val Asn Arg Asn Trp Tyr Ser Asp Ala Asp Val Pro
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 Ala Ser Ala Arg Gln Glu Gly Cys Gln Asp Ile Ala Thr Gln Leu Ile
 195 200 205
 Ser Asn Met Asp Ile Asp Val Ile Leu Gly Gly Gly Arg Lys Tyr Met
 210 215 220
 Phe Pro Met Gly Thr Pro Asp Pro Glu Tyr Pro Asp Asp Tyr Ser Gln
 225 230 235 240
 Gly Gly Thr Arg Leu Asp Gly Lys Asn Leu Val Gln Glu Trp Leu Ala
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 Lys Arg Gln Gly Ala Arg Tyr Val Trp Asn Arg Thr Glu Leu Met Gln
 260 265 270
 Ala Ser Leu Asp Pro Ser Val Thr His Leu Met Gly Leu Phe Glu Pro
 275 280 285
 Gly Asp Met Lys Tyr Glu Ile His Arg Asp Ser Thr Leu Asp Pro Ser
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 His Glu Ser Arg Ala Tyr Arg Ala Leu Thr Glu Thr Ile Met Phe Asp
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 Asp Ala Ile Glu Arg Ala Gly Gln Leu Thr Ser Glu Glu Asp Thr Leu
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 370 375 380
 Pro Leu Arg Gly Ser Ser Ile Phe Gly Leu Ala Pro Gly Lys Ala Arg
 385 390 395 400
 Asp Arg Lys Ala Tyr Thr Val Leu Leu Tyr Gly Asn Gly Pro Gly Tyr
 405 410 415
 Val Leu Lys Asp Gly Ala Arg Pro Asp Val Thr Glu Ser Glu Ser Gly
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Ser Pro Glu Tyr Arg Gln Gln Ser Ala Val Pro Leu Asp Glu Glu Thr
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 His Ala Gly Glu Asp Val Ala Val Phe Ala Arg Gly Pro Gln Ala His
 450 455 460
 Leu Val His Gly Val Gln Glu Gln Thr Phe Ile Ala His Val Met Ala
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 Ala Ala Lys Asn Leu Ile Ile Phe Leu Gly Asp Gly Met Gly Val Ser
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 acg gtg aca gct gcc agg atc cta aaa ggg cag aag aag gac aaa ctg 240
 Thr Val Thr Ala Ala Arg Ile Leu Lys Gly Gln Lys Lys Asp Lys Leu
 65 70 75 80
 ggg cct gag ata ccc ctg gcc atg gac cgc ttc cca tat gtg gct ctg 288
 Gly Pro Glu Ile Pro Leu Ala Met Asp Arg Phe Pro Tyr Val Ala Leu
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 tcc aag aca tac aat gta gac aaa cat gtg cca gac agt gga gcc aca 336
 Ser Lys Thr Tyr Asn Val Asp Lys His Val Pro Asp Ser Gly Ala Thr
 100 105 110
 gcc acg gcc tac ctg tgc ggg gtc aag ggc aac ttc cag acc att ggc 384
 Ala Thr Ala Tyr Leu Cys Gly Val Lys Gly Asn Phe Gln Thr Ile Gly
 115 120 125
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Gly Val Val Thr Thr Thr Arg Val Gln His Ala Ser Pro Ala Gly Thr	
165 170 175	
tac gcc cac acg gtg aac cgc aac tgg tac tog gac gcc gac gtg cct	576
Tyr Ala His Thr Val Asn Arg Asn Trp Tyr Ser Asp Ala Asp Val Pro	
180 185 190	
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Ser Asn Met Asp Ile Asp Val Ile Leu Gly Gly Gly Arg Lys Tyr Met	
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Lys Arg Gln Gly Ala Arg Tyr Val Trp Asn Arg Thr Glu Leu Met Gln	
260 265 270	
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Ala Ser Leu Asp Pro Ser Val Thr His Leu Met Gly Leu Phe Glu Pro	
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Gly Asp Met Lys Tyr Glu Ile His Arg Asp Ser Thr Leu Asp Pro Ser	
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ctg atg gag atg aca gag gct gcc ctg cgc ctg ctg agc agg aac ccc	960
Leu Met Glu Met Thr Glu Ala Ala Leu Arg Leu Leu Ser Arg Asn Pro	
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His Glu Ser Arg Ala Tyr Arg Ala Leu Thr Glu Thr Ile Met Phe Asp	
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Asp Ala Ile Glu Arg Ala Gly Gln Leu Thr Ser Glu Glu Asp Thr Leu	
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Thr Val Thr Ala Ala Arg Ile Leu Lys Gly Gln Lys Lys Asp Lys Leu
65 70 75 80
Gly Pro Glu Ile Pro Leu Ala Met Asp Arg Phe Pro Tyr Val Ala Leu
85 90 95
Ser Lys Thr Tyr Asn Val Asp Lys His Val Pro Asp Ser Gly Ala Thr
100 105 110
Ala Thr Ala Tyr Leu Cys Gly Val Lys Gly Asn Phe Gln Thr Ile Gly
115 120 125
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 Glu Val Ile Ser Val Met Asn Arg Ala Lys Lys Ala Gly Lys Ser Val
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 Gly Val Val Thr Thr Thr Arg Val Gln His Ala Ser Pro Ala Gly Thr
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 Tyr Ala His Thr Val Asn Arg Asn Trp Tyr Ser Asp Ala Asp Val Pro
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 Ala Ser Ala Arg Gln Glu Gly Cys Gln Asp Ile Ala Thr Gln Leu Ile
 195 200 205
 Ser Asn Met Asp Ile Asp Val Ile Leu Gly Gly Gly Arg Lys Tyr Met
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 Phe Arg Met Gly Thr Pro Asp Pro Glu Tyr Pro Asp Asp Tyr Ser Gln
 225 230 235 240
 Gly Gly Thr Arg Leu Asp Gly Lys Asn Leu Val Gln Glu Trp Leu Ala
 245 250 255
 Lys Arg Gln Gly Ala Arg Tyr Val Trp Asn Arg Thr Glu Leu Met Gln
 260 265 270
 Ala Ser Leu Asp Pro Ser Val Thr His Leu Met Gly Leu Phe Glu Pro
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 Gly Asp Met Lys Tyr Glu Ile His Arg Asp Ser Thr Leu Asp Pro Ser
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 Asp Ala Ile Glu Arg Ala Gly Gln Leu Thr Ser Glu Glu Asp Thr Leu
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 Pro Leu Arg Gly Ser Ser Ile Phe Gly Leu Ala Pro Gly Lys Ala Arg
 385 390 395 400
 Asp Arg Lys Ala Tyr Thr Val Leu Leu Tyr Gly Asn Gly Pro Gly Tyr
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 Gly Ile Ile Pro Val Glu Glu Glu Asn Pro Asp Phe Trp Asn Arg Glu
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 Tyr Ala His Thr Val Asn Arg Asn Trp Tyr Ser Asp Ala Asp Val Pro
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Ser Asn Met Asp Ile Asp Val Ile Leu Gly Gly Gly Arg Lys Tyr Met	
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Phe Arg Met Gly Thr Pro Asp Pro Glu Tyr Pro Asp Asp Tyr Ser Gln	
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Gly Gly Thr Arg Leu Asp Gly Lys Asn Leu Val Gln Glu Trp Leu Ala	
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Lys Arg Gln Gly Ala Arg Tyr Val Trp Asn Arg Thr Glu Leu Met Gln	
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Gly Asp Met Lys Tyr Glu Ile His Arg Asp Ser Thr Leu Asp Pro Ser	
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His Glu Ser Arg Ala Tyr Arg Ala Leu Thr Glu Thr Ile Met Phe Asp	
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Ser Pro Glu Tyr Arg Gln Gln Ser Ala Val Pro Leu Asp Glu Glu Thr	
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cac gca ggc gag gac gtg gcg gtg ttc gcg cgc ggc ccg cag gcg cac	1392

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 485 490 495
 gcc ggc acc acc gac gcc gcg cac ccg ggt tac tct aga gtc ggg gcg 1536
 Ala Gly Thr Thr Asp Ala Ala His Pro Gly Tyr Ser Arg Val Gly Ala
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 Ala Gly Arg Phe Glu Gln Thr
 515

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 Ala Ala Glu Ala Leu Gly Ala Ala Lys Lys Leu Gln Pro Ala Gln Thr
 35 40 45
 Ala Ala Lys Asn Leu Ile Ile Phe Leu Gly Asp Gly Met Gly Val Ser
 50 55 60
 Thr Val Thr Ala Ala Arg Ile Leu Lys Gly Gln Lys Lys Asp Lys Leu
 65 70 75 80
 Gly Pro Glu Ile Pro Leu Ala Met Asp Arg Phe Pro Tyr Val Ala Leu
 85 90 95
 Ser Lys Thr Tyr Asn Val Asp Lys His Val Pro Asp Ser Gly Ala Thr
 100 105 110
 Ala Thr Ala Tyr Leu Cys Gly Val Lys Gly Asn Phe Gln Thr Ile Gly
 115 120 125
 Leu Ser Ala Ala Ala Arg Phe Asn Gln Cys Asn Thr Thr Arg Gly Asn
 130 135 140
 Glu Val Ile Ser Val Met Asn Arg Ala Lys Lys Ala Gly Lys Ser Val
 145 150 155 160
 Gly Val Val Thr Thr Arg Val Gln His Ala Ser Pro Ala Gly Thr
 165 170 175
 Tyr Ala His Thr Val Asn Arg Asn Trp Tyr Ser Asp Ala Asp Val Pro
 180 185 190
 Ala Ser Ala Arg Gln Glu Gly Cys Gln Asp Ile Ala Thr Gln Leu Ile
 195 200 205

Ser Asn Met Asp Ile Asp Val Ile Leu Gly Gly Gly Arg Lys Tyr Met
 210 215 220
 Phe Arg Met Gly Thr Pro Asp Pro Glu Tyr Pro Asp Asp Tyr Ser Gln
 225 230 235 240
 Gly Gly Thr Arg Leu Asp Gly Lys Asn Leu Val Gln Glu Trp Leu Ala
 245 250 255
 Lys Arg Gln Gly Ala Arg Tyr Val Trp Asn Arg Thr Glu Leu Met Gln
 260 265 270
 Ala Ser Leu Asp Pro Ser Val Thr His Leu Met Gly Leu Phe Glu Pro
 275 280 285
 Gly Asp Met Lys Tyr Glu Ile His Arg Asp Ser Thr Leu Asp Pro Ser
 290 295 300
 Leu Met Glu Met Thr Glu Ala Ala Leu Arg Leu Leu Ser Arg Asn Pro
 305 310 315 320
 Arg Gly Phe Phe Leu Phe Val Glu Gly Gly Arg Ile Asp His Gly His
 325 330 335
 His Glu Ser Arg Ala Tyr Arg Ala Leu Thr Glu Thr Ile Met Phe Asp
 340 345 350
 Asp Ala Ile Glu Arg Ala Gly Gln Leu Thr Ser Glu Glu Asp Thr Leu
 355 360 365
 Ser Leu Val Thr Ala Asp His Ser His Val Phe Ser Phe Gly Gly Tyr
 370 375 380
 Pro Leu Arg Gly Ser Ser Ile Phe Gly Leu Ala Pro Gly Lys Ala Arg
 385 390 395 400
 Asp Arg Lys Ala Tyr Thr Val Leu Leu Tyr Gly Asn Gly Pro Gly Tyr
 405 410 415
 Val Leu Lys Asp Gly Ala Arg Pro Asp Val Thr Glu Ser Glu Ser Gly
 420 425 430
 Ser Pro Glu Tyr Arg Gln Gln Ser Ala Val Pro Leu Asp Glu Glu Thr
 435 440 445
 His Ala Gly Glu Asp Val Ala Val Phe Ala Arg Gly Pro Gln Ala His
 450 455 460
 Leu Val His Gly Val Gln Glu Gln Thr Phe Ile Ala His Val Met Ala
 465 470 475 480
 Phe Ala Ala Cys Leu Glu Pro Tyr Thr Ala Cys Asp Leu Ala Pro Pro
 485 490 495
 Ala Gly Thr Thr Asp Ala Ala His Pro Gly Tyr Ser Arg Val Gly Ala
 500 505 510
 Ala Gly Arg Phe Glu Gln Thr
 515

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26

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<400> 17

ttaggatcct ggcagctgtc ac

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22

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9

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33

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41

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39

<210> 29

<211> 39

<212> DNA

<213> Artificial Sequence

<220>

<223> oligo DNA

<400> 29

gaagaggacc tgttgagacc cacgtatgca ctgtggtac

39

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<211> 27

<212> DNA

<213> Artificial Sequence

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<223> primer

<400> 30

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27

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<400> 31

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22

<210> 32

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acagaattcg aacgctgacg tcatca

26

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43

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<220>

<223> oligo DNA

<400> 34

ctagaggtag cagctgctag cg

22

<210> 35

<211> 22

<212> DNA

<213> Artificial Sequence

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<223> oligo DNA

<400> 35

aattcgctag cagctggtac ct

22

<210> 36

<211> 19

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<400> 36

gauaaguucu gaacgucga

19

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gaaa

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64

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78

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ggaagtcgag gtaccgct

60

78

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33

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